

## NATSUSHIMA NT08-24 Total ATP Concentration

Last Modified: 2012-10-26

[ReadMe](#) [Observation Data](#)

Cruise ID: [NT08-24](#)

Total ATP Concentration: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Total ATP contents were measured using seawater samples collected by utilizing syringe water samplers. Seawater samples were used without filtration. In situ ATP measurements were conducted using IISA-ATP system. For ATP quantification, ChekLight HS kit (kikkoman) was used. To make calibration curves, ATP standard solution from Kikkoman was used.

Related Dive No. : HPD 00916, 00919, 00920

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/NT08-24\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/NT08-24_all.pdf)

### For Using Data

#### Principal Investigator

Tatsuhiro Fukuba (Institute of Industrial Science, The Univ. of Tokyo)

#### Use Constraints

None

#### Data Citation

None

### Instrument

Instrument:

IISA-ATP (IIS, Univ. of Tokyo)

Instrument Information:

Detection range :  $1 \times 10^{-12}$  M ATP -



Instrument:

Lumitester C-110 (Kikkoman)

Instrument Information:

Detection range :  $4 \times 10^{-17}$  -  $1 \times 10^{-10}$  mol ATP



### Sample

Seawater

### Sample ID

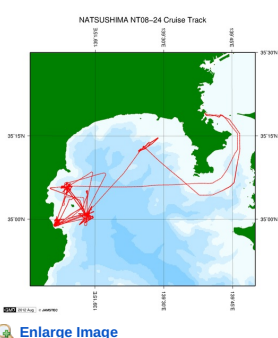
Described on a data file

### Data Format

Excel file (ATPDataNT08-24)

## Related Information

☒ Cruise Data ☐ Dive Data



### NT08-24

Ship Name: NATSUSHIMA

Period: 2008-12-03 - 2008-12-13

Chief Scientist: Mitsuru Jinbo (Kitasato University)

Proposal ▶ The distribution and function of the lectin isolated from Calyptogenakutani

Title:

## Update History

2012-10-26 An observation data was registered.

### Go to a Cruise Information

Cruise ID:

### Go to a Dive Information

Dive ID:

6K Sonar DEEP TOW  
KM-ROV  
POWER GRAB SAMPLER  
(SHELL)  
POWER GRAB SAMPLER  
(CLOW)  
BMS

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Technology



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JAPAN AGENCY FOR MARINE EARTH SCIENCE AND TECHNOLOGY

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Observation Items:

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### Observation Map



### Data List

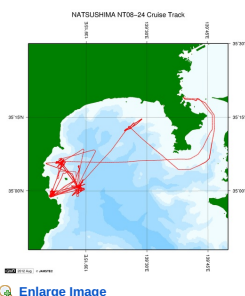
[Add to Basket](#)

#### File names

☐ NT08-24\_atp.xls

### Related Information

[Cruise Data](#) [Dive Data](#)



#### NT08-24

Ship Name: NATSUSHIMA

Period: 2008-12-03 - 2008-12-13

Chief Scientist: Mitsuru Jinbo (Kitasato University)

Proposal ▶ The distribution and function of the lectin isolated from *Calypogena okutanii*

Title:

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#### Data

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[Detailed Search](#)

#### Information of the Ships

NATSUSHIMA  
KAIYO  
YOKOSUKA  
MIRAI  
KAIREI  
CHIKYU  
KAIMEI  
SHINSEI MARU  
HAKUHO MARU

#### Information of the Submersibles

KAIKO  
SHINKAI 2000  
SHINKAI 6500  
DEEP TOW  
HYPER-DOLPHIN  
URASHIMA  
YOKOSUKA DEEP TOW  
6K Camera DEEP TOW  
6K Sonar DEEP TOW  
KM-ROV  
POWER GRAB SAMPLER (SHELL)  
POWER GRAB SAMPLER (CLOW)  
BMS

#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID: